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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/245,025

DATE: 08/13/2001
TIME: 11:46:15

Input Set : N:\Crf3\RULE60\09245025.txt
Output Set: N:\CRF3\08132001\I245025.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:
 6 (i) APPLICANT: Gerard, Gary F.
 7 Smith, Michael D.
 8 Chatterjee, Deb K.
 10 (ii) TITLE OF INVENTION: Compositions and Methods for Reverse
 11 Transcription of Nucleic Acid Molecules
 13 (iii) NUMBER OF SEQUENCES: 23
 15 (iv) CORRESPONDENCE ADDRESS:
 16 (A) ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
 17 (B) STREET: 1100 New York Avenue, Suite 600
 18 (C) CITY: Washington
 19 (D) STATE: DC
 20 (E) COUNTRY: USA
 21 (F) ZIP: 20005
 23 (v) COMPUTER READABLE FORM:
 24 (A) MEDIUM TYPE: Floppy disk
 25 (B) COMPUTER: IBM PC compatible
 26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
 29 (vi) CURRENT APPLICATION DATA:
 C--> 30 (A) APPLICATION NUMBER: US/09/245,025
 C--> 31 (B) FILING DATE: 25-Feb-1999
 37 (C) CLASSIFICATION:
 39 (vii) PRIOR APPLICATION DATA:
 35 (A) APPLICATION NUMBER: 09/064,057
 36 (B) FILING DATE:
 40 (A) APPLICATION NUMBER: US 60/044,589
 41 (B) FILING DATE: 22-APR-1997
 43 (viii) ATTORNEY/AGENT INFORMATION:
 44 (A) NAME: Esmond, Robert W.
 45 (B) REGISTRATION NUMBER: 32,893
 46 (C) REFERENCE/DOCKET NUMBER: 0942.4330002
 48 (ix) TELECOMMUNICATION INFORMATION:
 49 (A) TELEPHONE: 202-371-2600
 50 (B) TELEFAX: 202-371-2540
 53 (2) INFORMATION FOR SEQ ID NO: 1:
 55 (i) SEQUENCE CHARACTERISTICS:
 56 (A) LENGTH: 35 base pairs
 57 (B) TYPE: nucleic acid
 58 (C) STRANDEDNESS: both
 59 (D) TOPOLOGY: both
 61 (ii) MOLECULE TYPE: cDNA
 66 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 68 AGGAGACCCA TATGACTGTT GCGCTACATC TGGCT
 70 (2) INFORMATION FOR SEQ ID NO: 2:
 72 (i) SEQUENCE CHARACTERISTICS:

ENTERED

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73	(A) LENGTH: 34 base pairs	
74	(B) TYPE: nucleic acid	
75	(C) STRANDEDNESS: both	
76	(D) TOPOLOGY: both	
78	(ii) MOLECULE TYPE: cDNA	
83	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:	
85	AACCGGACAG GTTAACAGCG CGCAAATCAT GCAG	34
87	(2) INFORMATION FOR SEQ ID NO: 3:	
89	(i) SEQUENCE CHARACTERISTICS:	
90	(A) LENGTH: 32 base pairs	
91	(B) TYPE: nucleic acid	
92	(C) STRANDEDNESS: both	
93	(D) TOPOLOGY: both	
95	(ii) MOLECULE TYPE: cDNA	
100	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:	
102	CACACACAGG TACCCTCTCG AAAAGTTAAA CC	32
104	(2) INFORMATION FOR SEQ ID NO: 4:	
106	(i) SEQUENCE CHARACTERISTICS:	
107	(A) LENGTH: 41 base pairs	
108	(B) TYPE: nucleic acid	
109	(C) STRANDEDNESS: both	
110	(D) TOPOLOGY: both	
112	(ii) MOLECULE TYPE: cDNA	
117	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
119	CACACACACT CGAGTTATGC AAAAAGAGGG CTCGCCTCAT C	41
121	(2) INFORMATION FOR SEQ ID NO: 5:	
123	(i) SEQUENCE CHARACTERISTICS:	
124	(A) LENGTH: 36 base pairs	
125	(B) TYPE: nucleic acid	
126	(C) STRANDEDNESS: both	
127	(D) TOPOLOGY: both	
129	(ii) MOLECULE TYPE: cDNA	
134	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:	
136	GGACCCACTG TCTTACCGC GGCCTCCTCA AGCACCC	36
138	(2) INFORMATION FOR SEQ ID NO: 6:	
140	(i) SEQUENCE CHARACTERISTICS:	
141	(A) LENGTH: 35 base pairs	
142	(B) TYPE: nucleic acid	
143	(C) STRANDEDNESS: both	
144	(D) TOPOLOGY: both	
146	(ii) MOLECULE TYPE: cDNA	
151	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:	
153	CACACACACC CGGGTTAATA CGCTTGGAAAG GTGGC	35
155	(2) INFORMATION FOR SEQ ID NO: 7:	
157	(i) SEQUENCE CHARACTERISTICS:	
158	(A) LENGTH: 31 base pairs	
159	(B) TYPE: nucleic acid	
160	(C) STRANDEDNESS: both	
161	(D) TOPOLOGY: both	

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163	(ii) MOLECULE TYPE: cDNA	
168	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:	
170	CACACACATC ATGACTGTTG CGCTACATCT G	31
172	(2) INFORMATION FOR SEQ ID NO: 8:	
174	(i) SEQUENCE CHARACTERISTICS:	
175	(A) LENGTH: 29 base pairs	
176	(B) TYPE: nucleic acid	
177	(C) STRANDEDNESS: both	
178	(D) TOPOLOGY: both	
180	(ii) MOLECULE TYPE: cDNA	
185	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:	
187	CACACACAGG TACCCTCTCG AAAAGTTAA	29
189	(2) INFORMATION FOR SEQ ID NO: 9:	
191	(i) SEQUENCE CHARACTERISTICS:	
192	(A) LENGTH: 48 base pairs	
193	(B) TYPE: nucleic acid	
194	(C) STRANDEDNESS: both	
195	(D) TOPOLOGY: both	
197	(ii) MOLECULE TYPE: cDNA	
202	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:	
204	CACACACAGA GGAATTCACT GATGGTGATG GTGATGTGCA AAAAGAGG	48
206	(2) INFORMATION FOR SEQ ID NO: 10:	
208	(i) SEQUENCE CHARACTERISTICS:	
209	(A) LENGTH: 41 base pairs	
210	(B) TYPE: nucleic acid	
211	(C) STRANDEDNESS: both	
212	(D) TOPOLOGY: both	
214	(ii) MOLECULE TYPE: cDNA	
219	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:	
221	ACTGGAATTCAATGCCATCACCATCA CCATCACCCG T	41
223	(2) INFORMATION FOR SEQ ID NO: 11:	
225	(i) SEQUENCE CHARACTERISTICS:	
226	(A) LENGTH: 41 base pairs	
227	(B) TYPE: nucleic acid	
228	(C) STRANDEDNESS: both	
229	(D) TOPOLOGY: both	
231	(ii) MOLECULE TYPE: cDNA	
236	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:	
238	ACGTGTCGAC CATATGGATG ACTAGGTGAA ACGGGTGATG G	41
240	(2) INFORMATION FOR SEQ ID NO: 12:	
242	(i) SEQUENCE CHARACTERISTICS:	
243	(A) LENGTH: 71 base pairs	
244	(B) TYPE: nucleic acid	
245	(C) STRANDEDNESS: both	
246	(D) TOPOLOGY: both	
248	(ii) MOLECULE TYPE: cDNA	
253	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:	
255	ACTGGAATTCAATGCCATCACCATCA CCATCACCCG TTTCACCTAG TCATCCATAT	60
257	GGTCGACACG T	71

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Input Set : N:\Crf3\RULE60\09245025.txt
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TION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
A) LENGTH: 48 base pairs
B) TYPE: nucleic acid
C) STRANDEDNESS: both
D) TOPOLOGY: both
LECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
AGATCGCGAG CGGCCGCCCA TTAACTCTCG TTGGCAGC 48

TION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
A) LENGTH: 16 base pairs
B) TYPE: nucleic acid
C) STRANDEDNESS: both
D) TOPOLOGY: both
LECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 14:
CGTCCG 16

TION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
A) LENGTH: 12 base pairs
B) TYPE: nucleic acid
C) STRANDEDNESS: both
D) TOPOLOGY: both
LECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
GG 12

TION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
A) LENGTH: 42 base pairs
B) TYPE: nucleic acid
C) STRANDEDNESS: both
D) TOPOLOGY: both
LECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
CUGAATTCAT GACTGTTGCG CTACATCTGG CT 42

TION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
A) LENGTH: 32 base pairs
B) TYPE: nucleic acid
C) STRANDEDNESS: both
D) TOPOLOGY: both
LECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 17:
TGACTGTTGC GCTACATCTG GC 32

TION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
A) LENGTH: 24 base pairs
B) TYPE: nucleic acid

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350 (C) STRANDEDNESS: both
351 (D) TOPOLOGY: both
353 (ii) MOLECULE TYPE: cDNA
358 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
360 TACGATCTCT CTCCAGGCCA TTTT
362 (2) INFORMATION FOR SEQ ID NO: 19:
364 (i) SEQUENCE CHARACTERISTICS:
365 (A) LENGTH: 24 base pairs
366 (B) TYPE: nucleic acid
367 (C) STRANDEDNESS: both
368 (D) TOPOLOGY: both
370 (ii) MOLECULE TYPE: cDNA
375 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
377 ACTCGAGCAG CCCGGGAACC TTG 24
379 (2) INFORMATION FOR SEQ ID NO: 20:
381 (i) SEQUENCE CHARACTERISTICS:
382 (A) LENGTH: 48 base pairs
383 (B) TYPE: nucleic acid
384 (C) STRANDEDNESS: both
385 (D) TOPOLOGY: both
387 (ii) MOLECULE TYPE: cDNA
392 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
394 ATTACCCGGG AGGATATCAT ATGTTAGCGA TGACAATGGA ACATAAAG 48
396 (2) INFORMATION FOR SEQ ID NO: 21:
398 (i) SEQUENCE CHARACTERISTICS:
399 (A) LENGTH: 36 base pairs
400 (B) TYPE: nucleic acid
401 (C) STRANDEDNESS: both
402 (D) TOPOLOGY: both
404 (ii) MOLECULE TYPE: cDNA
409 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
411 ATATGTCGAC TCACAGTGGC CCTCCCTATA AATTG 36
413 (2) INFORMATION FOR SEQ ID NO: 22:
415 (i) SEQUENCE CHARACTERISTICS:
416 (A) LENGTH: 35 base pairs
417 (B) TYPE: nucleic acid
418 (C) STRANDEDNESS: both
419 (D) TOPOLOGY: both
421 (ii) MOLECULE TYPE: cDNA
426 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
428 TATTAGGATC CCATGACTGT TGCCTACAT CTGGC 35
430 (2) INFORMATION FOR SEQ ID NO: 23:
432 (i) SEQUENCE CHARACTERISTICS:
433 (A) LENGTH: 29 base pairs
434 (B) TYPE: nucleic acid
435 (C) STRANDEDNESS: both
436 (D) TOPOLOGY: both
438 (ii) MOLECULE TYPE: cDNA
442 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/245,025

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Input Set : N:\Crf3\RULE60\09245025.txt
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L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]